

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

1. (currently amended): An electromagnetic valve unit comprising:
a yoke of magnetic metal, the yoke comprising upper and lower walls that are integrally connected by side walls;
a slit provided in the upper wall of the yoke, the slit extending along a longitudinal axis of the yoke between axially opposed ends of the yoke; and
a plurality of electromagnetic valves abreast installed in the yoke in such a manner that the yoke constitutes outside magnetic paths of solenoid coils of the valves, wherein each solenoid coil has terminal members that project outward from the yoke through the slit, and slit,

wherein the terminal members of every pair of the electromagnetic valves, which face each other with respect to the longitudinal axis of the yoke, are arranged close to one another and face one another, and

wherein the lower wall of the yoke comprises two axially extending wall portions that extend along the side walls respectively and a middle portion through which the two axially extending wall portions are integrally connected.

2. (currently amended): An electromagnetic valve unit as claimed in Claim 1, wherein the lower wall of the yoke is integrally formed with at least one strip that is angled relative to the lower wall, so that the strip exhibits a resiliency when pressed toward the lower wall, and

wherein the strip extends axially outward ~~from the axially~~ from the middle portion of the lower wall of the yoke.

3. (currently amended): An electromagnetic valve unit as claimed in Claim 1, wherein the lower wall of the yoke ~~has such a structure as is configured~~ to permit magnetic paths produced by the solenoid coils to constitute continuous paths at the lower wall.

4. (previously presented): An electromagnetic valve unit as claimed in Claim 3, wherein the yoke has a generally rectangular cross section and has longitudinally ends thereof opened.

5. (previously presented): An electromagnetic valve unit as claimed in Claim 2, wherein the strip of the yoke is provided by providing the lower wall of the yoke with axially extending parallel slits, the parallel slits defining therebetween the strip.

6. (previously presented): An electromagnetic valve unit as claimed in Claim 2, wherein the yoke has a generally rectangular cross section and has longitudinally ends thereof opened.

7. (previously presented): An electromagnetic valve unit as claimed in Claim 2, wherein the solenoid coils of the electromagnetic valves are arranged along the longitudinal axis forming a given number of pairs of the coils along the longitudinal axis.

8. (canceled):

9. (currently amended): An electromagnetic valve unit as claimed in Claim 3 Claim 1, wherein the yoke has a generally rectangular cross section and has longitudinally ends thereof opened.

10. (previously presented): An electromagnetic valve unit as claimed in Claim 3, wherein the solenoid coils of the electromagnetic valves are arranged along the longitudinal axis forming a given number of pairs of the coils along the longitudinal axis.

11. (previously presented): An electromagnetic valve unit as claimed in Claim 1, wherein each of the solenoid coils of the electromagnetic valves has a projection that slidably contacts an edge of the slit of upper wall of the yoke.

12. (previously presented): An electromagnetic valve unit as claimed in Claim 2, further comprising:

a housing of an antilock brake system, onto which the yoke is tightly mounted,

wherein the strip of the lower wall of the yoke is resiliently positioned between the lower wall of the yoke and the housing.

13. (previously presented): An electromagnetic valve unit as claimed in Claim 12, wherein the housing has a plurality of bores in which respective valve function parts of the electromagnetic valves are received, and

wherein the lower wall of the yoke is formed with a plurality of openings in which the valve function parts of the electromagnetic valves are received.

14. (currently amended): An electromagnetic valve unit comprising:

a yoke of magnetic metal, the yoke comprising upper and lower walls that are integrally connected by side walls;

a slit provided in the upper wall of the yoke, the slit extending along a longitudinal axis of the yoke between axially opposed ends of the yoke; and

a plurality of electromagnetic valves abreast installed in the yoke in such a manner that the yoke constitutes outside magnetic paths of solenoid coils of the valves, wherein each solenoid coil has terminal members that project outward from the yoke through the slit,

wherein the solenoid coils of the electromagnetic valves are arranged along the longitudinal axis forming a given number of pairs of the coils along the longitudinal axis, and axis,

wherein the terminal members of every pair of the electromagnetic valves, which face each other with respect to the longitudinal axis of the yoke, are arranged close to one another and face one another, and

wherein the lower wall of the yoke comprises two axially extending wall portions that extend along the side walls respectively and a middle portion through which the two axially extending wall portions are integrally connected.

15. (previously presented): An electromagnetic valve unit as claimed in Claim 12, wherein each of the solenoid coils of the electromagnetic valves has a projection that slidably contacts an edge of the slit of the upper wall of the yoke.

16. (currently amended): An electromagnetic valve unit as claimed in Claim 13, wherein the yoke is rectangular parallelepiped in shape, wherein the yoke has axially opposed ends opened, wherein the electromagnetic valves are installed in the yoke in a manner to form a certain number of pairs thereof,

wherein each of the two electromagnetic valves in each pair of electromagnetic valves are positioned at opposed portions with respect to an imaginary plane that extends in and along the slit and along the longitudinal axis of the yoke,

~~wherein each electromagnetic valve includes a solenoid coil that has terminal pins,~~ wherein projections are provided on the solenoid coils of the electromagnetic valves, wherein the projections are received in the slit in a manner to form the certain number of pairs thereof,

wherein each of the two projections in each pair of projections is in contact with laterally opposed edges of the slit, and

wherein each projection receives therein the terminal members pins of the corresponding solenoid coil and has the terminal members pins projected outward therefrom.

17. (previously presented): An electromagnetic valve unit as claimed in Claim 16, wherein each of the electromagnetic valves further comprises:

a tubular valve body tightly and centrically received in a center bore of a bobbin of the solenoid coil;
an armature axially movably received in the tubular valve body;
a valve member held by the armature to move therewith;
a valve seat to which the valve member is contactable to establish an/a open/close condition of a fluid passage; and
a biasing member for biasing the armature in a given direction.

18. (previously presented): An electromagnetic valve unit as claimed in Claim 17, wherein each of the tubular valve bodies has an upper portion received in a respective opening formed in the upper wall of the yoke and a lower portion received in a respective opening formed in the lower wall of the yoke.

19. (previously presented): An electromagnetic valve unit as claimed in Claim 18, wherein the lower portion of each of the tubular valve bodies is received in a housing on which the lower wall of the yoke is mounted.

20. (currently amended): An antilock brake system for a wheeled motor vehicle, comprising:

a fluid line extending between a master cylinder of a brake pedal and brake cylinders of road wheels; and

an electromagnetic valve unit arranged in the fluid line to selectively open and close the passage of the fluid line, the electromagnetic valve unit comprising:

a yoke of magnetic metal, the yoke comprising upper and lower walls that are integrally connected by side walls;

a slit provided in the upper wall of the yoke, the slit extending along a longitudinal axis of the yoke between axially opposed ends of the yoke; and

a plurality of electromagnetic valves abreast installed in the yoke in such a manner that the yoke constitutes outside magnetic paths of solenoid coils of the valves,

wherein each solenoid coil has terminal members that project outward from the yoke through the slit, and slit,

wherein the terminal members of every pair of the electromagnetic valves, which face each other with respect to the longitudinal axis of the yoke, are arranged close to one another and face one another, and

wherein the lower wall of the yoke comprises two axially extending wall portions that extend along the side walls respectively and a middle portion through which the two axially extending wall portions are integrally connected.

21. (previously presented): An electromagnetic valve unit as claimed in Claim 1, wherein the terminal members of each pair of the electromagnetic valves are laterally arranged in a middle position of the yoke along the longitudinal axis of the yoke.

22. (canceled):

23. (previously presented): An electromagnetic valve unit as claimed in Claim 14, wherein the terminal members of each pair of the electromagnetic valves are laterally arranged in a middle position of the yoke along the longitudinal axis of the yoke.

24. (canceled):

25. (previously presented): An antilock brake system as claimed in Claim 20, wherein the terminal members of each pair of the electromagnetic valves are laterally arranged in a middle position of the yoke along the longitudinal axis of the yoke.

26. (canceled):